

RLS-W12

12,000 lumens, WUXGA, 1-chip DLP projector



- **Cost-effective thanks to twin 465W NSH lamps**
- **Video over a single Cat 5 cable (HDBaseTTM)**
- **Extended warping and blending***

The RLS-W12 is a single-chip DLP projector that produces 12,000 center lumens light output and offers WUXGA (1,920 x 1,200) resolution, extended warping and blending, and HDBaseTTM technology to provide video over a single Cat 5 cable at a very low price point. Designed for fixed installation in museums, theaters and conference auditoriums, it's also ideally suited for the hotel and exhibition rental market thanks to its rugged design, extended warping and blending functionalities*, and optional rental frame.

Cost-effective design

Offering high-brightness images, the cost-effective RLS-W12 features a rugged design that reduces noise and minimizes power consumption. Its twin 465W NSH lamps are not only very affordable they also provide a long lifetime. It operates at full brightness on a voltage range of 110V - 240V.

Simplified setup and installation

Featuring HDBaseTTM and BarcoLink, the RLS-W12 supports point-to-point transmission of video signals – up to WUXGA (1,920 x 1,200) at 60 Hz – from source to projector, over distances of more than 70 meters, via a single Cat 5 or BNC cable. By eliminating multiple expensive cables and connectors, it provides more simplicity, flexibility and lower installation costs.

Simple control

The RLS-W12 can be easily controlled via the wired or wireless remote control, the Android and iOS app, and the user-friendly Projector Toolset software.

* Some combinations will restrict adjustment range



- 12,000 lumens light output
- 1-chip DLP technology
- WUXGA (1,920 x 1,200) resolution
- Video over a single Cat 5 cable thanks to standard HDBaseTTM
- Extended warping and blending*
- Perfect for fixed installations
- Rental frame available
- Low power consumption

PRODUCT SPECIFICATIONS**RLS-W12**

Projector type	WUXGA 1-chip DLP digital projector
Technology	0.96" DMD™ x 1 CW:RGBYCW
Resolution	1,920 x 1,200
Brightness	12,000 center lumens / 11,000 ANSI lumens*
Contrast ratio	1,500:1
Brightness uniformity	90%
Aspect ratio	16:10
ScenergiX	Horizontal and vertical edge blending
Lens type	J type
Lenses	0.84-1.03:1; 1.25-1.48; 1.56-1.85:1; 1.85-2.4:1; 2.4-4.0:1; 4.0-7.0:1
Optical lens shift	Vertical: +/-100%; horizontal: +/-30% Vertical: +/-75%; horizontal: +/-25% (for 0.84-1.03:1 lens)
Color correction	P7
Lamps	2x465W
Lamp lifetime	1,500 hours (typical) / 2,000 hours (maximum)
Lamp warranty	120 days, 500 hours
Sealed DLP™ core	Standard
Optical dowsers	Standard
Picture-in-picture	Up to two sources simultaneously
Orientation	table -ceiling -vertical
WARP	preset values + custom (RS232)
Integrated web server	Yes
3D	Passive circular polarized (optional)
Inputs	1 x HDMI (HDCP 1.3); HDBaseT; 5-BNC (RGBHV, RGBS/RGBsB;YUV); VGA (RGBHV, RGBS/RGBsB;YUV); cinch (RGBs, YUV); HSDI/ 3G HSDSI /SDI
Input resolutions	From NTSC up to UXGA (1,600 x 1,200), including HDTV (1,920 x 1,200)
Max. pixel clock	165Mhz
Software tools	Projection Toolset + Android app + iOS app
Control	Mini-jack + IR, RS232, 12v trigger
Network connection	10/100 base-T, RJ-45 connection
Power requirements	90-240V / 50-60Hz -1,115W @ 240V, 1,150W @ 110V, STBY less than 2W
Noise level (typical at 25°C/77°F)	45 dB(A) norm, 40dB(A) eco
Operational ambient temperature	0-40°C / 32°-104°F
Operational humidity	0-90% (non condens)
Dissipation BTU	max 3,804 BTU/h
Dimensions (WxLxH)	530 x 670 x 285 mm / 20.86 x 32.64 x 17.20 inches
Weight	34 kg (74.95 lbs)
Shipping Dimensions	(LxWxH) 829 x 709 x 437 mm / 32.63 x 27.91 x 17.20 inches
Shipping Weight from Factory	41.5 kg (91.49 lbs)
Standard accessories	Power cord, wireless remote control, HDMI to DVI adaptor
Certifications	Complies with FCC rules & regulations, part 15 Class A and CE EN55022 Class A, CE, TUV, RHoS, WEE
Warranty	3 years standard, extra 2 years optional
*	+/-10%

Last updated: 24 Feb 2021

Technical specifications are subject to change without prior notice. Please check www.barco.com for the latest information.